**Geometry Notes: Section 1.1** (p5)

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| --- | --- | --- | --- | --- |
| **Term** | **Description/Characteristics** | **Representation** | **Naming by Points** | **Naming by cursive/italic letter** |
| Point | Real world examples: |  |  |  |
| Line | Real world examples: |  |  |  |
| Plane | Real world examples: |  |  |  |

**Geometry Notes: Postulates about Points, Lines and Planes** (P125)

A postulate in geometry is:

*For each postulate, draw a picture and explain in your own words what the postulate means. Explain why the postulate should be accepted as true.*

Postulate 1: Through any 2 points, there is exactly one line.

Postulate 2: Through any 3 points that are not on the same line, there is exactly one plane.

Postulate 3: If two points lie in a plane, then the entire line containing those points lies in that plane.

Postulate 4: If two lines intersect, then their intersection is exactly one point.

Postulate 5: If two planes intersect, then their intersection is a line.